

PLANT PATENT
[File No. 10451.0052.NPUS01]

APPLICATION FOR UNITED STATES PLANT PATENT

for

CHRYSANTHEMUM PLANT NAMED 'FOLLIES'

by

**Keith G. Lintott, 40 Carlton Avenue, Rose Green, Bognor Regis,
West Sussex, PO21 3LP, United Kingdom
Citizenship: United Kingdom**

This application claims the benefit of U.S. Provisional Application No. 60/421,390, filed October 25, 2002.

LATIN NAME OF THE GENUS AND SPECIES

Botanical classification: *Chrysanthemum morifolium*.

VARIETY DENOMINATION

The new *Chrysanthemum* variety denomination is 'Follies.'

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of *Chrysanthemum* botanically known as *Chrysanthemum morifolium*, and referred to by the cultivar name 'Follies.'

'Follies,' identified as 31035, originated from a cross made in a controlled breeding program in Chichester, West Sussex, United Kingdom. The female parent of the new variety is the unpatented variety known as 'Endurance.' The male parent of the new variety is an undistributed, unpatented seedling identified as 'G5E6.' The new variety 'Follies' has been asexually reproduced by vegetative cuttings in Chichester, West Sussex, United Kingdom and the distinguishing characteristics are retained through successive generations of asexual reproduction.

BRIEF SUMMARY OF THE INVENTION

'Follies' is a garden type of *Chrysanthemum* plant variety having a domed canopy of small decorative round light purple button type flowers.

Comparison with Parent

Plants of the new *Chrysanthemum* variety 'Follies' are dissimilar to the parent variety 'Endurance' in plant habit and growth rate. In side-by-side comparisons in Chichester, West Sussex, United Kingdom, under commercial practice, plants of the new *Chrysanthemum* variety 'Follies' differed from plants of the parent 'Endurance' in the following characteristics.

1. The new variety 'Follies' produces round light purple button type flowers whereas the parent 'Endurance' produces dark purple flat type flowers.

2. Plants of the new variety 'Follies' have smaller and shorter inflorescence than plants of the parent 'Endurance.'
3. Plants of the new variety 'Follies' are much less vigorous than plants of the parent variety 'Endurance.'

Comparison with Other Varieties

Plants of the new Chrysanthemum variety 'Follies' are dissimilar to the unpatented variety 'Nighthawk' in plant habit and growth rate. In side-by-side comparisons in Chichester, West Sussex, United Kingdom, under commercial practice, plants of the new Chrysanthemum variety 'Follies' differed from 'Nighthawk' in the following characteristics.

1. The new variety 'Follies' produces smaller and more round flowers than 'Nighthawk.'
2. The new variety 'Follies' has a more compact and shorter habit than 'Nighthawk.'

BRIEF DESCRIPTION OF ILLUSTRATION

Typical specimens of the plant and flowers for the new Chrysanthemum variety 'Follies' are shown in the accompanying digital photograph. The colors shown are as true as possible within the usual limits of this kind of illustration. Figure 1 is a whole plant view of the new variety 'Follies' grown in a pot. The plant shown in the illustration is 70 days from the commencement of planting outdoors in mid-June.

DETAILED BOTANICAL DESCRIPTION

The following description of the new Chrysanthemum variety 'Follies' is of plants grown outside, natural season, in a greenhouse in Chichester, West Sussex, United Kingdom in the month of June. The cultivar has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in the environment such as temperature, length of day and light intensity, without any variance in genotype. The commercial classification of the new variety is a garden Chrysanthemum.

Plants of the new variety have been grown successfully under temperature conditions averaging about 50°F at night and about 70°F to 75°F during the day under

natural light conditions. The plants were grown outdoors in mid-June in 4 liter pots using a loamless compost. No growth retardants were used. To produce a commercial product, the plants may be pinched once with the center bud removed. The typical container size for commercial growth is 4 liters (8"). It has been observed that the shelf life of the new variety is about 30 days with a response time of about 9 weeks natural season. The new variety is suitable for growth in a temperature range of 50°F to 75°F.

The new variety may be produced as a pot plant. The following description is with respect to a plant produced as a garden pot plant. In the description of this new Chrysanthemum variety, color values have been taken from the Royal Horticultural Society Colour Chart (R.H.S.C.C.).

Plant

Plant type: Pot

Habit: Domed - Round

Height: 35 cm

Width: 50 cm

Branching characteristics: Curving – Free Branching

Length of Lateral Branches: 8-18 cm

Number of Breaks from Pinch: 8-9

Stem Color: near 137A

Response Time: 63 days natural season

Vigor: Short/Medium

Shelf Life: near 30 days

Disease (Susceptibility/Resistance observed): None observed to date

Pest (Susceptibility/Resistance observed): None observed to date

Growth retardant type and treatment: No treatment necessary

The plants were grown for 9 weeks in natural season conditions.

Propagation:

Type: Vegetative Propagation via Stem Cuttings

Time to rooting: 12 days with soil temperatures of 70°F

Rooting habit: Fine and Fibrous

Foliage

Number of Leaves Per Lateral Branch: 7-9

5 Compound or single: Single

Arrangement of Leaves: Alternate

Shape of Leaf: Typically 5 lobed ovate

Size of Leaf: *Width* (cm): 1.5-4 *Length* (cm): 3-5

Leaf Apex: Acute

10 Base: Truncate

Attachment: Petioled

Aspect: Slightly Undulating

Margin: Palmately Lobed

Surface characteristics: *Top: Slightly Pubescent*

15 *Bottom: Slightly Pubescent*

Petiole: *Color:* near 138A

Length: 0.8-1.7 cm

Venation : Net prominent mid-vein at underside.

Color: upper side: near 138C

20 *under side: near 138C*

Color: Mature Leaf, *upper side*: near 137B; *under side*: near 137D

Young Leaf, *upper side*: near 137C; *under side*: near 137D

Flower

Flower appearance: Matte

25 Flower type: Decorative

Flower form: Slightly Globular

Flower shape: Round

Flowering habit: Cyme

Number of blossoms per branch: 8-12

Inflorescence form: Corymbiform

Depth of fully expanded blossoms: 1.5-2 cm

5 Diameter of fully expanded blossoms: 2.5-4 cm

Phyllaries: *Number:* 18-20

Color: near 137B

Length: 5-9 mm

Width: 1.5-2 mm

10 *Texture/Appearance:* Shiny and very slightly pubescent

Pedicel: *Length:* terminal: 4 cm; lateral: 9 cm

Color: near 136C

Surface: Pubescent

Habit: Slightly curving

15 *Strength:* Strong

Ray florets: *Form/Shape:* Gutter shaped, straight

Texture/Appearance : Matte

Number per flower: 225-240

Length: 1-1.5 cm; *Width:* 4-6 mm

20 *Apex:* Rounded

Base: Tubular

Margin: Entire

Disc florets: *Form/Shape:* Cylindrical

Texture/Appearance: Shiny

25 *Number per flower:* 12-14

Length: 5-6 mm; *Width:* <1 mm

Diameter of disc: 1-2 mm

Fragrance: None

Flower Bud (at onset of color):

Length: 5-7 mm

Diameter: 6-8 mm

Form/Shape: Globular

5 General flower color:

1. Ray florets, *upper side*:

Immature: near 58B

Mature: near 58C

10 *Older/Fading:* near 58C

2. Ray florets, *under side*:

Immature: near 58B

Mature: near 58C

Older/Fading: near 58C

15 3. Disc florets:

Immature: near 58D

Mature: near 58D

Older/Fading: near 58D

4. Bud: 145B

20 Flower progression with age: Flowers fade slightly and uniformly with age.

Reproductive Organs

Gynoecium present on Ray and Disc florets.

Ray florets per individual flower:

Pistil number: 120-130 observed

25 *Stigma color:* near 144D

Stigma shape: Forked

Style color: near 144D

Style length: 2-3 mm

Disc florets per individual flower:

- 5 *Pistil number:* 12-14
 Stigma color: near 150C
 Stigma shape: Forked
 Style color: near 150C
 Style length: 2-3 mm

Androecium present on Disc florets only.

- 10 *Stamen number:* 8 observed
 Anther shape: Cylindrical
 Anther color: near 14C
 Pollen color: near 12A
 Pollen quantity: Very little

Fruit and Seeds: None observed